

Claims**WHAT IS CLAIMED IS:**

1. In an electronic card comprising a printed circuit board assembly
5 interposed between card shields having edges wherein the improvement
comprises tabs on the edges of one shield that engages recesses on the
edge of the other shield and each of said tabs comprises an member
having an oblique projection which engages said other shield.
- 10 2. The card of claim 1 wherein each of the shields has a ledge in its
frame and the recess is in said ledge and the projection on the tab
engages said ledge.
- 15 3. The card of claim 1 wherein the recess has angled ends which
engage the arcuate members of the tabs.
4. The card of claim 1 wherein each of the tabs are resilient.
5. The card of claim 4 wherein each of the tabs are resilient over their
20 entire lengths.
6. The card of claim 5 wherein the tabs act as springs.
7. The card of claim 6 wherein the tabs act as a spring over their
25 entire lengths.

T 0 2 2 9 4 6 7 5 6 0 0

8. The card of claim 7 wherein the card has a length and the tabs have a cumulative length and said cumulative length of the tabs is at least 10% of the length of the card.
- 5 9. The card of claim 8 wherein the card has a length and the tabs have a cumulative length and said cumulative length of the tabs is at least 50% of the length of the card.
- 10 10. The card of claim 1 which resists bending forces of what need value based on test in specification.
11. The card of claim 1 which resists torsional forces without use of end connectors.
- 15 12. The card of claim 1 which has at least one generally flattened corner.
- 20 13. The card of claim 1 wherein the printed circuit board is entirely enclosed by a metallic material.
- 25 14. The card of claim 13 which has at least one generally flattened corner.
15. The card connector of claim 14 which has at least one corner which is a diagonal metallic wall.

16. The card connector of claim 15 wherein the diagonal metallic wall is formed by folding a projection from a shield backwardly toward said shield.
- 5 17. The card of claim 1 wherein the top and bottom shields are identical.
18. A card comprising a printed circuit board assembly interposed between card shields having corners wherein at least one of said corners
10 is flattened.
19. The card of claim 18 wherein the printed circuit board is entirely enclosed by a metallic material.
- 15 20. The card of claim 1 wherein the shields are hermaphrodite.
21. The card of claim 1 wherein the members having an oblique projection are arcuate.
- 20 22. The card of claim 1 which resists both torsional and sheer forces.
23. The card of claim 22 which resists both torsional and sheer forces with use of end connectors.
- 25 24. A metallic shield for use in a memory card wherein said shield has corners and at least are of said corners is flattened.

25. The card of claim 1 wherein an audible snapping sound results from engagement of the shields.
26. The card of claim 1 wherein the recesses have opposed edges which are angled outwardly to points.
27. The card of claim 26 wherein when the tab engages the recess, the tab is cammed into position.
28. The card of claim 1 wherein when more than about 1.2 Nm is applied to said card in a torque test average rotation angle is less than about 12°.
29. The card of claim 1 wherein when more than about 20 N force is applied in a bend test average deflection is less than about 3.5mm.
30. The card of claim 1 wherein when more than 100 N is applied in a finger nail test, displacement is less than 1.5mm.
31. The card of claim 1 which includes a I/O connector that is grounded without a separate ground contact.
32. The card of claim 1 wherein the I/O connector has a length and said connector is shielded over its length.

33. The card of claim 1 wherein at least one recess includes a slot and camming structure for moving the tab laterally into the slot as the tab moves toward the recess.

5 34. The card of claim 33 wherein the camming structure comprises a pair of diverging walls.

35. The card of claim 34, wherein each diverging wall intersects the slot at a location spaced from an end of the slot.

10

36. The card of claim 1 wherein each recess includes a projection for engagement by the latch of each tab.

15

37. In an electronic card comprising a printed circuit board assembly interposed between card shields having edges wherein the improvement comprises tabs on the edges of one shield that engages recesses on the edge of the other shield and each of said tabs comprises a member having an oblique projection which engages said other shield and a frame is interposed between the shields.

20

38. The card of claim 37 wherein the printed circuit board is connected to the card.

25

39. The card of claim 37 wherein the card is supported by frame bars.

ADD
A1

Ad
B3